



*gels*



an Open Access Journal by MDPI

## Functionalized Gels for Environmental Applications

Guest Editors:

**Dr. Luca Burratti**

Faculty of Technological Sciences and Innovation, Universitas Mercatorum, 00186 Rome, Italy

**Dr. Paolo Proposito**

Department of Industrial Engineering, University of Rome Tor Vergata, Via Cracovia n.50, 00133 Roma, Italy

**Prof. Dr. Iole Venditti**

Department of Sciences, Roma Tre University of Rome, Via della Vasca navale 79, 00146 Rome, Italy

Deadline for manuscript submissions:

**closed (10 September 2023)**

### Message from the Guest Editors

Dear Colleagues,

As Guest Editors of the Special Issue “Functionalized Gels for Environmental Applications” in *Gels*, we would like to invite you to contribute to its success. Based on your valuable expertise in this research field, we are confident that you can submit a manuscript that meets the journal’s criteria for significance and scientific excellence.

This Special Issue is dedicated to the synthesis, characterization, and application of functionalized or doped matrices (e.g., hydrogels, aerogels or sol–gels) for environmental purposes such as the sensing or removal of different toxic analytes. The chemical functional groups or the doping materials such as noble metal nanostructures, quantum dots, carbon nanotubes, etc. play several roles, donating further features to the host matrix such as particular optical, mechanical or electrical properties, and interacting with the surrounding environment. In addition, the employment of hosting matrices increases the handling and portability, and opens new horizons for in situ environmental applications.

Experimental and theoretical scientific research in environmental applications are warmly welcome.



[mdpi.com/si/101285](https://mdpi.com/si/101285)

**Special** Issue



*gels*



an Open Access Journal by MDPI

## Editors-in-Chief

### Prof. Dr. Esmail Jabbari

Biomimetic Materials and Tissue Engineering Laboratory,  
Department of Chemical Engineering, University of South Carolina, Columbia, SC 29208, USA

### Prof. Dr. Chuanliang Feng

State Key Lab of Metal Matrix Composites, School of Materials Science and Engineering, Shanghai Jiao Tong University, Shanghai 200240, China

## Message from the Editorial Board

*Gels* (ISSN 2310-2861) is recently established international, open access journal on physical and chemical gel-based materials. The journal aim is to encourage scientists to publish their experimental and theoretical results in as much detail as possible. General topics include but not limited to synthesis, characterization and applications of new organogels, hydrogels and ionic gels made either from low molecular weight compounds or polymers, composite and hybrid materials where a metal is by some means incorporated into the gel network, and computational studies of these materials in order to provide a better understanding of gelation mechanism. We cordially invite you to consider publishing with us and contribute with your own grain of sand to the advance in this fascinating field.

## Author Benefits

**Open Access:** free for readers, with [article processing charges \(APC\)](#) paid by authors or their institutions.

**High visibility:** indexed within [Scopus](#), [SCIE \(Web of Science\)](#), [PubMed](#), [PMC](#), [CAPlus / SciFinder](#), and [other databases](#).

**Journal Rank:** JCR - Q1 (Polymer Science) / CiteScore - Q1 (Organic Chemistry)

## Contact Us

---

*Gels* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/gels](http://mdpi.com/journal/gels)  
[gels@mdpi.com](mailto:gels@mdpi.com)  
[X@Gels\\_MDPI](#)